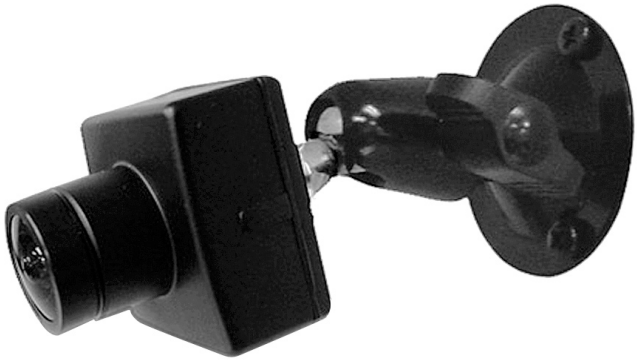
NILES®

INSTALLATION GUIDE



FOR DISCRETE SURVEILLANCE UNDER ANY CONDITION

MINIATURE HIGH RESOLUTION COLOR CCTV CAMERA WITH PIVOTING BRACKET

CAM-PB

CONGRATULATIONS!

Thank you for choosing the **CAM-PB Miniature High Resolution Color CCTV Camera** from Niles. With proper installation and operation, you should enjoy years of trouble-free use.

Niles manufactures the industry's most complete line of custom installation components and accessories for audio/video systems. To see the complete Niles product assortment, visit us on the Internet at: **www.nilesaudio.com.**

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INTRODUCTION

The CAM-PB is a miniature weather-resistant CCTV camera with a die-cast aluminum housing and pivoting bracket. The camera can rotate 360 degrees and pivot 90 degrees to enable it to be mounted in virtually any position.The flexible mounting bracket allows the dealer to optimally adjust the viewing angle.

The camera's high-resolution, low lux 1/3" CCD element provides clear images even in low light conditions. Built-in automatic iris control ensures an optimal picture on bright, sunny days without "blooming" or "washouts". The fixed focal-length lens has a horizontal viewing angle of 120 degrees with no "fish eye" distortion.

FEATURES AND BENEFITS

- **Extremely Small Size** – Easy to conceal!
- **Versatile** – Use for residences, store fronts, nurseries, pools, docks, cabanas, etc.
- **Auto White Balance** – Enables true color reproduction in varying light conditions.
- **High Resolution/Low Noise** – 480 lines of resolution/ 48dB video signal-to-noise ratio provide crisp, vivid images.
- **Low Power Requirements** – Ensures low operating temperature and long life.

SPECIFICATIONS

Imaging Element	CCD
Lux	0.5 minimum
Resolution	480 TV lines
Horizontal Viewing Angle	120 degrees
Vertical Viewing Angle	100 degrees
Video Output	1V peak-to-peak
Video Output Impedance	75 Ohms
Power Requirements	12VDC @ 90mA (power supply included)
Wiring Requirements	RG59 or RG6 (Video) 18AWG, 2-Conductor (Power)

INSTALLATION CONSIDERATIONS

Installation of the CAM-PB consists of planning the mounting location and wire runs, physically running cables (pre-wire), and final mounting and connections (trim-out).

PLANNING

Proper planning involves determining the correct location for the CAM-PB and determining proper routing of the necessary wiring. This unit is suitable for indoor or outdoor use. It is not suitable for use underwater. When determining the mounting location, keep in mind what subject(s) the camera will be viewing and plan accordingly. Do not mount the camera pointing directly into bright lights (the sun, bright security lighting, etc.) as this will provide poor video quality and could damage the imaging element!

Because of its small size, the CAM-PB is ideal for use in applications requiring concealment or unobtrusiveness. Plan mounting locations with this in mind. NILES recommends the use of its CAM-DFMK Dome Camera Mounting Kit for attractive, discrete mounting and installation of the CAM-PB.

PRE-WIRE

Wiring for the CAM-PB consists of RG-6 or RG-59 coaxial cable for video and two-conductor 18 AWG (18/2) stranded wire for power. Route these cables from the pre-determined mounting location of the camera to the location designated for video distribution and connectivity (the “head-end”). Make sure to keep the wire runs separated from high-voltage wires and/or electronic dimmers. Coaxial cable should not have sharp bends and the termination points should be relatively dry.

MOUNTING/TRIM-OUT

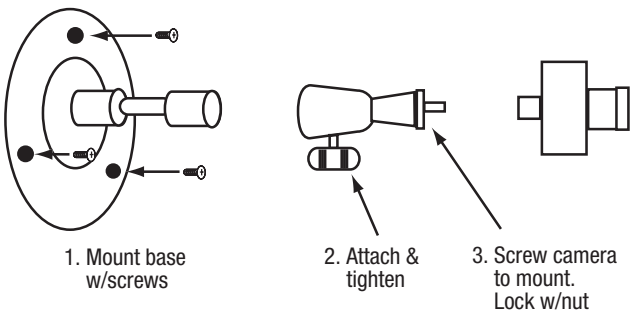
The CAM-PB includes a multi-purpose mounting bracket. This bracket enables the unit to be securely attached to almost any mounting surface.

NOTE: MOUNTING HARDWARE IS INCLUDED, BUT ADDITIONAL HARDWARE MAY BE REQUIRED DEPENDING ON THE DESIRED MOUNTING SURFACE.

INSTALLING THE CAM-PB

1. Use the appropriate hardware to securely mount the CAM-PB's bracket to the desired mounting surface **(see Figure 1)**.

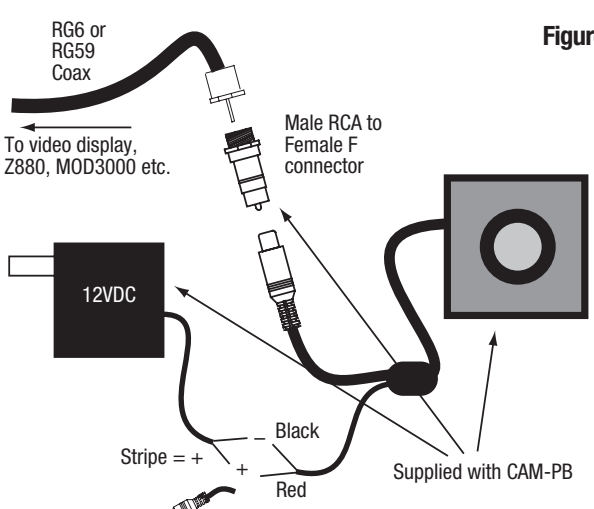
Figure 1



2. Using the male RCA-to-female F adapter included with the CAM-PB, connect the camera to the RG-6 or RG-59 coax cable previously run.

3. When remotely powering the CAM-PB:
   a. Remove the power connector from the power supply (included) and the CAM-PB as shown in **Figure 2**.

Figure 2



INSTALLATION (CONT.)

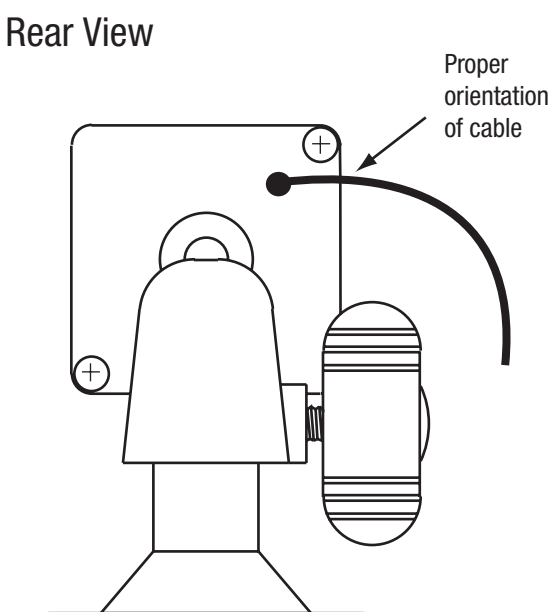
b. Strip back the insulation on the red and black camera power wires and terminate them to the 18/2 wire. Be sure to maintain proper polarity on the CAM-PB, the 18/2, and the remotely located power supply (the included power supply's white striped lead is POSITIVE).

IMPORTANT: DO NOT REMOVE THE YELLOW RCA VIDEO JACK!

4. Screw the camera chassis to the mounting bracket and aim the camera for optimum coverage.

NOTE: THE CAMERA IS IN ITS PROPER POSITION WHEN ITS POWER AND VIDEO CABLES ARE LOCATED IN THE UPPER-RIGHT WHEN VIEWING THE CAMERA FROM THE REAR **(see Figure 3)**.

Figure 3



NOTES

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LIMITED WARRANTY

Niles Audio Corporation ("NILES") warrants its passive products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of ten years from date of purchase.

Niles Audio Corporation ("NILES") warrants its passive loudspeaker products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of five years from date of purchase.

Niles Audio Corporation ("NILES") warrants its outdoor loudspeaker products to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

Niles Audio Corporation ("NILES") warrants its active products (those requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

This Warranty is subject to the following additional conditions and limitations. The Warranty is void and inapplicable if NILES deems that the product has been used or handled other than in accordance with the instructions provided by the manufacturer, including but not limited to damage caused by accident, mishandling, improper installation, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product by anyone other than NILES or an authorized NILES dealer.

To obtain warranty service, take the unit to the nearest authorized NILES dealer, who will test the product and if necessary, forward it to NILES for service. If there are no authorized NILES dealers in your area, you must write to NILES and include your name, model and serial number of your unit, along with a brief description of the problem. A factory Return Authorization Number will be sent to you. DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM NILES.

If the above conditions are met, the purchaser's sole remedy shall be to return the product to NILES, in which case NILES will repair or replace, at its sole option, the defective product without charge for parts or labor. NILES will return a unit repaired or replaced under warranty by shipping same by its usual shipping method from the factory (only) at its expense within the United States of America. THERE ARE NO OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION, EITHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. NILES SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For the name of your nearest authorized NILES dealer, contact:

NILES AUDIO CORPORATION, P.O. BOX 160818, Miami, Florida 33116.

Please fill in your product information and retain for your records.

Model_____ Serial No._____ Purchase Date_____

DETACH HERE AND RETURN TO: NILES AUDIO CORPORATION WARRANTY REGISTRATION DEPT. P.O. BOX 160818 MIAMI, FLORIDA 33116-0818

WARRANTY REGISTRATION CARD

Model Purchased _____

Serial Number _____

Date Purchased (month/day/year) _____

Dealer Name and Location _____

_____

❍ Dr. ❍ Miss ❍ Mr. ❍ Mrs. ❍ Ms.

Name _____

Address _____

_____

City _____ State _____ Zip _____

Telephone ( ) _____

Please take a moment to fill out our warranty registration card. The information helps us to get to know you better and develop the products you want

Age:
❍ *Under 25*
❍ *25-34*
❍ *35-44*
❍ *45-54*
❍ *55 & over*

Income:
❍ *Under $24,999*
❍ *$25,000-$34,999*
❍ *$35,000-$44,999*
❍ *$45,000-$59,999*
❍ *$60,000-$74,999*
❍ *$75,000-$99,999*
❍ *Over $99,999*

Occupation:
❍ *Arts/Entertainment*
❍ *Business Owner*
❍ *Engineer*
❍ *Finance/Accounting*
❍ *General Office*
❍ *Management*
❍ *Professional*
❍ *Sales/Marketing*
❍ *Student*
❍ *Tradesperson*

Musical tastes: (Please check all that apply)
❍ *Alternative*
❍ *Classical*
❍ *Country*
❍ *Jazz*
❍ *New Age*
❍ *Popular*
❍ *R&B*
❍ *Rock*
❍ *Other* _____

How did you hear about Niles?
❍ *Architect/Developer*
❍ *Custom Installer*
❍ *Direct Mail*
❍ *Friend/Family*
❍ *In-Store Display*
❍ *Interior Designer*
❍ *Magazine Ad*
❍ *Mail-Order Catalog*
❍ *Newspaper Ad*
❍ *Product Brochure*
❍ *Product Review*
❍ *Retail Salesperson*

What magazines do you read?
1. _____
2. _____
3. _____

Who will install the product?
❍ *Custom Installer*
❍ *Electrician*
❍ *Friend*
❍ *Myself*

Which factor(s) influenced the purchase of your Niles product? (Please check all that apply)
❍ *Ease of Use*
❍ *Price/Value*
❍ *Product Features*
❍ *Quality/Durability*
❍ *Reputation*
❍ *Style/Appearance*
❍ *Warranty*

Do you . . . ?
❍ *Own a House. If yes, how many square feet?*
_____

❍ *Own a Town House/ Condominium/Co-op*
❍ *Rent an Apartment*
❍ *Rent a House*

Are you interested in receiving literature on other Niles products?
❍ *Yes* ❍ *No*

Are there products/ capabilities that you would like to see introduced?
_____
_____
_____
_____

BLENDING HIGH FIDELITY AND ARCHITECTURE®

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Made in China
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